Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/14/2021 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124688	-1	2.35	124586	2.33
Blue	F	SSC	125000	124005	-1	4.21	124330	4.04
Blue	E	FITC	14400	14040	-3	2.95	323	14.96
Blue	D	PE	24713	24511	-1	2.48	560	10.51
Blue	B	PerCP-Cy5-5	31796	31633	-1	3.68	1048	14.67
Blue	A	PE-Cy7	21240	20911	-2	5.63	556	29.12
Red	C	APC	41319	40860	-2	3.20	1708	11.40
Red	A	APC-Cy7	21019	20557	-3	3.58	772	11.25
Violet	B	V450	7305	7075	-4	3.91	436	12.41
Violet	A	V500	28652	27539	-4	3.39	691	9.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23196	2.39	567	-2	N/A	N/A	Pass
Blue	F	SSC	57564	2.65	520	8	N/A	N/A	Pass
Blue	E	FITC	59	52.95	493	2	0.0477	102	Pass
Blue	D	PE	117	37.51	491	4	0.5600	477	Pass
Blue	B	PerCP-Cy5-5	194	35.71	588	4	0.0198	60	Pass
Blue	A	PE-Cy7	112	67.56	633	3	0.0222	0	Pass
Red	C	APC	396	22.77	575	2	0.0274	62	Pass
Red	A	APC-Cy7	172	26.77	545	0	0.0071	1247	Pass
Violet	B	V450	60	61.19	462	6	0.0582	1983	Pass
Violet	A	V500	99	33.11	475	5	0.0271	741	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/14/2021 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.66	-31.39	0.96
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.09	15.99 - 23.99	N/A	N/A	29.86	30.06	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12008

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments